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What is claimed is:

- A method for treating or preventing A neoplasia disorder in a mammal in need of sych treatment or prevention, which method comprises administering to said mammal a therapeutically-effective Amount of a combination of an integrin antagonist And one or more antineoplastic agents, wherein said antineoplastic agents are selected from the group/consisting of anastrozole, calcium carbonate, dapecitabine, carboplatin, cisplatin, Cell Pathways CP-461, cyclophosphamide, docetaxel, doxorubicin, etoposide, fluorouracil (5-FU), fluoxymestrine, gemcitabine, goserelin, irinotecan, ket/oconazole, letrozol, leucovorin, levamisoke, megestrol, mitoxantrone, 15 paclitaxel, raloxifene retinoic acid, tamoxifen, thiotepa, topotecan Koremifene, vinorelbine, vinblastine, vincristine, selenium (selenomethionine), ursodeoxycholic agid sulindac sulfone and eflornithine (DFMO).
 - The method of Claim 1 wherein the combination 2. is administered in a sequential manner.
 - 3. The method of Claim 1 wherein the combination is administered in a substantially simultaneous manner.
- The method of Claim 1 wherein the 25 4. antineoplastic agent is capecitabine.
 - The method of Claim 1 wherein the antineoplastic agent is carboplatin.
- The method of Claim 1 wherein the 30 ant/ineoplastic agent is cisplatin.

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- 7. The method of Claim 1 wherein the antineoplastic agent is Cell Pathways CP-491.
- 8. The method of Claim 1 wherein the antineoplastic agent is docetaxel.
- 9. The method of Claim 1 wherein the antineoplastic agent is doxorubicin.
 - 10. The method of Claim 1 wherein the antineoplastic agent is etoposide.
- 11. The method of Claim 1 wherein the 10 antineoplastic agent is fluorouracil (5-FU).
 - 12. The method of Claim 1 wherein the antineoplastic agent (is fluoxymestrine.
 - 13. The method of Claim 1 wherein the antineoplastic agent is gemcitabine.
 - 14. The method of Claim 1 wherein the antineoplastic agent is goserelin.
 - 15. The method of Claim 1 wherein the antineoplastic agent is irinotecan.
 - 16. The method of Claim 1 wherein the antineoplastic agent is ketoconazole.
 - 17. The method of Claim 1 wherein the antineoplastic agent is letrozol.
 - 18. The method of Claim 1 wherein the antineoplastic agent is leucovorin.
- 25 19. The method of Claim 1 wherein the antineoplastic agent is levamisole.
 - 20. The method of Claim 1 wherein the antineoplastic agent is megestrol.
- 21. The method of Claim 1 wherein the artineoplastic agent is mitoxantrone.

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- 22. The method of Claim 1 wherein the antineoplastic agent is paclitaxel.
- 23. The method of Claim 1 wherein the antineoplastic agent is raloxifene.
- 5 24. The method of Claim 1 wherein the antineoplastic agent is retinoic acid.
 - 25. The method of Claim 1 wherein the antineoplastic agent is tamoxifen.
- 26. The method of Claim 1 wherein the 10 antineoplastic agent is throtepa.
 - 27. The method of Claim 1 wherein the antineoplastic agent is topotecan.
 - 28. The method of Claim 1 wherein the antineoplastic agent is toremifene.
 - 29. The method of Claim 1 wherein the antineoplastic agent is vinorelbine.
 - 30. The method of Claim 1 wherein the antineoplastic agent is vinblastine.
 - 31. The method of Claim 1 wherein the antineoplastic agent is vincristine.
 - 32. The method of Claim 1 wherein the antineoplastic agent is selenium (selenomethionine).
 - 33. The method of Claim 1 wherein the antineoplastic agent is sulindac sulfone.
 - 34. The method of Claim 1 wherein the antineoplastic agent is ursodeoxycholic acid.
 - 35. The method of Claim 1 wherein the antineoplastic agent is effornithine (DFMO).
- 36. The method of Claim 1 wherein the integrin antagonist is selected from compounds, and their

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pharmaceutically acceptable salts thereof, of the group consisting of:

1)

(3R)-N-[[5-[(1,4,5,6-tetrahydro-5-hydroxy-2-pyrimidinyl)amino]-

3-pyridinyl]carbonyl]glycyl-3-(3-bromo-5-chloro-2-hydroxyphenyl)-b-alanine,

2)

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5

(3R)-N-[1,6-dihydro-6-oxo-5-[(1,4,5,6-tetrahydro-5-hydroxy-2-pyrimidinyl)amino]-3-pyridinyl]carbonyl]glycyl-3-(3-bromo-5-chloro-2-hydroxyphenyl)-b-alanine,

15 3)

(3R)-N-[3-amino-5-[(1,4,5,6-tetrahydro-5-hydroxy-2-pyrimidinyl)amino]benzoyl}glycyl-3-(3-bromo-5-chloro-2-hydroxyphenyl)-b-alanine,

(3R) -N-[3-[(hydroxyamino/carbonyl]-5-

[(1,4,5,6-tetrahydro-5-hydroxy)-2-

5 pyrimidinyl)amino]benzoyl]glycyl-3-(3-bromo-5-

chloro-2-hydroxyphemyl)-b-alanine,

5)

 $(3R)-N-[3-\sqrt{4-5}-dihydro-1H-imidazol-2-$

yl)amino]penzoyl]glycyl-3-(3-bromo-5-chloro-2-

hydroxyphenyl)-b-alanine,

6)

10

15

(3R)-N-[3-

(aminoiminomethyl)amino]benzoyl]glycyl-3-(3-

bromo-5-chloro-2-hydroxyphenyl)-b-alanine,

10

15

9)

HO NH NH CI CO₂H

(3R)-N-[3-hydroxy-5-[(1,4,5,6-tetrahydro-5-hydroxy-2-pyrimidinyl)amino]benzoyl]glycyl-3-(3-bromo-5-chloro-2-hydroxyphenyl)-b-alanine,

HO NH OH CO₂H

(3R) -N-[3-hydroxy-5-[(1,4,5,6-tetrahydro-5-hydroxy-2-pyrimidinyl)amino]benzoyl]glycyl-3-(3,5-dichloro-2-hydroxyphenyl)-b-alanine,

(3R) -N-[3-hydroxy-5-[(1,4,5,6-tetrahydro-5-hydroxy-2-pyrimidinyl)amino]benzoyl]glycyl-3-(5-bromo-3-chloro-2-hydroxyphenyl)-b-alanine,

10

15

HO NH OH CO2H

(3R)-N-[3-hydroxy-5-[(1,4,5,6-tetrahydro-5-hydroxy-2-pyrimidinyl)amino]benzoyl]glycyl-3-(3-bromo-5-chloro-2-hydroxyplenyl)-b-alanine,

11)

b-[3-[[[3-[[4,5]dihydro-1H-imidazol-2-yl)amino]phenyl]sulfonyl]amino]phenyl]-3,5-difluorobenzenegropanoic acid,

3,5-difluoro-b-[3-[[[3-[(1,4,5,6-tetrahydro-2-pyrimidinyl)amino]benzoyl]amino]methyl]phenyl] benzenepropanoic acid,

14)

HN N OME
CO₂H
NHCO₂iPr
H N N CO₂H

5

(2E) -3-[3-ethyl-4-[[3-[(1,4,5,6-tetrahydro-2-pyrimidinyl)amino]benzoyl]amino]phenyl]-2-propenoic acid,

15)

NH O CO₂H

10

(2E) -3-[3-[4,5-dihydro-1H-imidazol-2-yl)amino] phenyl]-2-oxoethoxy]phenyl]-2-propenoic acid,

16)

N H O CO2H

15

(10S) -10,11-dihydro-3-[3-(2pyridinylamino)propoxy]-5Hdibenzo[a,d]cycloheptene-10-acetic acid,

10

17)

(2S)-7-[[(1H-benzimidazol-/2-

ylmethyl)methylamino]carbonyl]-2,3,4,5-tetrahydro-4-methyl-3-oxo-1H-1,4-benzodiazepine-2-acetic acid,

18)

(2S) - 2, 3, 4, 5 tetrahydro-4-methyl-7-[[[(5-

methyl-1H/imidazo[4,5-b]pyridin-2-

yl]methyl]amino)carbonyl]-3-oxo-1H-1,4-

benzodia epine-2-acetic acid,

19)

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(bR)-b-[[[(3R)-2-oxo-3-[2-(1,5,6,7-tetrahydro-1,8-naphthyridin-2-yl)ethyl]-1-pyrrolidinyl]acetyl]amino]-1H-indole-3-pentanoic acid,

HN N O NHSO₂Ph

21)

HN N OH NHSO₂Ph

5 22)

H₂N N O NHCO₂Ph

23)

MeH CO₂H

- 24) Vitaxin antibody(Ixsys),
- 25) Merck KGaA EMD-121974, cyclo[RGDf-N(Me)V-],

28)

5 29)

30)

31)

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32)

ŅHSO₂Ph

ÇF₃

33)

34) 5

35)

CO2H

40)

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42)

43)

5 37. The method of Claim 1 wherein the integrin antagonist is

10 (10S)-10/,11-dihydro-3-[3-(2-

pyridinylamino)propoxy]-5H-

dibenzo[a,d]cycloheptene-10-acetic acid.

38. The method of Claim 1 wherein the integrin antagonist is

15

[2S]-7-[[(1H-benzimidazol-2-

// Imethyl) methylamino | carbonyl | -2,3,4,5-

tetrahydro-4-methyl-3-oxo-1H-1,4-

benzodiazepine-2-acetic acid.

39. The method of Claim 1 wherein the integrin antagonist is

(2S)-2,3,4,5-tetrahydro-4-methyl-7-[[[(5-methyl-1H-imidazo[4,5-b)pyridin-2-yl]methyl]amino]carbonyl]-3-oxo-1H-1,4-benzodiazepine-2-acetic acid.

40. The method of Claim 1 wherein the integrin antagonist is

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(bR)-b-[[[(3R)-2-oxo-3-[2-(1,5,6,7-tetrahydro-1,8-naphthyridin-2-yl)ethyl]-1-pyrrolidinyl]acetyl]amino]-1H-indole-3-pentanoic acid.

41. The method of Claim 1 wherein the integrin antagonist is

- 5 42. The method of Claim 1 wherein the integrin antagonist is Vitaxin antibody(Ixsys).
 - 43. The method of Claim 1 wherein the integrin antagonist is Merck KGaA EMD 121974, cyclo[RGDf-N(Me)V-]
- 44. The method of Claim 1 wherein the integrin 10 antagonist is

45. The method of Claim 1 wherein the integrin antagonist is

46. The method of Claim 1 wherein the integrin antagonist is

47. The method of Claim 1 wherein the integrin

antagonist is

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48. The method of Claim 1 wherein the neoplasia is selected from the group consisting of lung cancer, breast cancer, gastrointestinal cancer, bladder cancer, head and neck cancer and cervical cancer.

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49. The method of Claim 1 wherein the neoplasia is selected from the group consisting of acral lentiginous melanoma, actinic keratoses, adenocarcinoma, adenoid cycstic carcinoma, adenomas, adenosarcoma, adenosquamous carcinoma, astrocytic tumors, bartholin gland carcinoma, basal cell carcinoma, bronchial gland carcinomas, capillary, carcinoids, carcinoma, carcinosarcoma, cavernous, cholangiocarcinoma, chondosarcoma, choriod plexus papilloma/carcinoma, clear cell carcinoma, cystadenoma, endodermal sinus tumor, endometrial

hyperplasia, endometrial stromal sarcoma, endometrioid adenocarcinoma, ependymal, epitheloid, Ewing's sarcoma, fibrolamellar, focal nodular hyperplasia, gastrinoma, germ cell tumors, glioblastoma, glucagonoma,

- hemangiblastomas, hemangioendothelioma, hemangiomas, hepatic adenoma, hepatic adenomatoris, hepatocellular carcinoma, insulinoma, intaepithelial neoplasia, interepithelial squamous cell neoplasia, invasive squamous cell carcinoma, large cell carcinoma,
- leiomyosarcoma, lentigo maligna melanomas, malignant melanoma, malignant mesothelial tumors, medulloblastoma, medulloepithelioma, melanoma, meningeal, mesothelial, metastatic carcinoma, mucoepidermoid carcinoma, neuroblastoma, neuroepithelial adenocarcinoma nodular
- 15 melanoma, oat cell darcinoma, oligodendroglial, osteosarcoma, panereatic polypeptide, papillary serous adenocarcinoma, pineal cell, pituitary tumors, plasmacytoma, pseudosarcoma, pulmonary blastoma, renal cell carcinoma, retinoblastoma, rhabdomyosarcoma,
- sarcoma, serous carcinoma, small cell carcinoma, soft tissue carcinomas, somatostatin-secreting tumor, squamous carcinoma, squamous cell carcinoma, submesothelial, superficial spreading melanoma, undifferentiated carcinoma, uveal melanoma, verrucous carcinoma, vipoma, well differentiated carcinoma, and Wilm's tumor.
 - 50. A method for treating or preventing a neoplasia disorder in a mammal in need of such treatment or prevention, which method comprises administering to said mammal a therapeutically-effective amount of a combination of radiation therapy, an integrin

antagonist, and one or more antineoplastic agents,
wherein said antineoplastic agents are selected from the
group consisting of anastrozole, calcium carbonate,
capecitabine, carboplatin, cisplatin, Cell Pathways CP461, cyclophosphamide, docetaxel, doxorubicin,
etoposide, fluorouracil (5-FU), fluoxymestrine,
gemcitabine, goserelin, irinotecan, ketoconazole,
letrozol, leucovorin, levamisole, megestrol,
mitoxantrone, paclitaxel, raloxifene, retinoic acid,
tamoxifen, thiotepa, topotecan, toremifene, vinorelbine,
vinblastine, vincristine, selenium (selenomethionine),
ursodeoxycholic acid, sulindac/sulfone and eflornithine
(DFMO).

- 51. The method of Claim 50 wherein the combination is administered in a segmential manner.
 - 52 The method of Claim 50 wherein the combination is administered in a substantially simultaneous manner.
 - 53. The method of Chaim 50 wherein the antineoplastic agent is capecitabine.
- 20 54. The method of Claim 50 wherein the antineoplastic agent is carboplatin.
 - 55. The method of Claim 50 wherein the antineoplastic agent is cisplatin.
 - 56. The method of Claim 50 wherein the antineoplastic agent is Cell Pathways CP-461.
 - 57. The method of Claim 50 wherein the antineoplastic agent is docetaxel.
 - 58. The method of Claim 50 wherein the antineoplastic agent is doxorubicin.
- 30 59. The method of Claim 50 wherein the antineoplastic agent is etoposide.

- 60. The method of Claim 50 wherein the antineoplastic agent is fluorouracil (5-FU).
- 61. The method of Claim 50 wherein the antineoplastic agent is fluoxymestrine.
- 5 62. The method of Claim 50 wherein the antineoplastic agent is gemcitabine.
 - 63. The method of Claim 50 wherein the antineoplastic agent is goserelin.
- 64. The method of Claim 50 wherein the 10 antineoplastic agent is irinotecan.
 - 65. The method of Claim 50 wherein the antineoplastic agent is ketoconazole.
 - 66. The method of Claim 50 wherein the antineoplastic agent is letrozol.
 - 67. The method of Claim 50 wherein the antineoplastic agent is leucovorin.
 - 68. The method of Claim 50 wherein the antineoplastic agent is levamisole.
 - 69. The method of Claim 50 wherein the antineoplastic agent is megestrol.
 - 70. The method of Claim 50 wherein the antineoplastic agent is mitoxantrone.
 - 71. The method of Claim 50 wherein the antineoplastic agent is paclitaxel.
- 25 72. The method of Claim 50 wherein the antineoplastic agent is raloxifene.
 - 73. The method of Claim 50 wherein the antineoplastic agent is retinoic acid.
- 74. The method of Claim 50 wherein the antineoplastic agent is tamoxifen.

- 75. The method of Claim 50 wherein the antineoplastic agent is thiotepa.
- 76. The method of Claim 50 wherein the antineoplastic agent is topotecan.
- 77. The method of Claim 50 wherein the antineoplastic agent is toremifene.
 - 78. The method of Claim 50 wherein the antineoplastic agent is vinorelbine.
- 79. The method of Claim 50 wherein the 10 antineoplastic agent is vinblastine.
 - 80. The method of Claim 50 wherein the antineoplastic agent is vincristine.
 - 81. The method of Claim 50 wherein the antineoplastic agent is selenium (selenomethionine).
 - 82. The method of claim 50 wherein the antineoplastic agent is sulindac sulfone.
 - 83. The method of claim 50 wherein the antineoplastic agent is ursodeoxycholic acid.
- 84. The method of Claim 50 wherein the 20 antineoplastic agent is effornithine (DFMO).
 - 85. The method of Claim 50 wherein the integrin antagonist is selected from compounds, and their pharmaceutically acceptable salts thereof, of the group consisting of:

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1)

(3R)-N-[[5-[(1,4,5,6-tetrahydro-5-hydroxy-2-pyrimidinyl)amino]3-pyridinyl]carbonyl]glycyl-3-(3-bromo-5-

chloro-2-hydroxyphenyl)-b-alanine,

2)

(3R) - N - [1, 6] dihydro-6-0x0-5-[(1,4,5,6-

tetrahydro-5-hydroxy-2-pyrimidinyl)amino]-3pyridinyl]carhonyl]glycyl-3-(3-bromo-5-chloro-

2-hydroxyphenyl)-b-alanine,

3)

15 /(3R)-N-[3-amino-5-[(1,4,5,6-tetrahydro-5-

hydroxy-2-pyrimidinyl)amino]benzoyl}glycyl-3-

(3-bromo-5-chloro-2-hydroxyphenyl)-b-alanine,

10

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CO₂H

(3R)-N-[3-[(hydroxyamino/carbonyl]-5-

[(1,4,5,6-tetrahydro-5/hydroxy)-2-

pyrimidinyl)amino]benzoyl]glycyl-3-(3-bromo-5chloro-2-hydroxypheryl)-b-alanine,

CONHOH

5)

Br
HO
N
N
N
N
CI

(3R)-N-[3-(4-,5\dihydro-1H-imidazol-2-

yl)aminolbenzoyl]glycyl-3-(3-bromo-5-chloro-2-hydroxyphenyl)-b-alanine,

HN NH₂ HO N CO₂H

(3R) - N - [3 -

[/(aminoiminomethyl) amino]benzoyl]glycyl-3-(3bromo-5-chloro-2-hydroxyphenyl)-b-alanine,

(3R)-N-[3-hydroxy-5-[(1,4,5,6-tetrahydro-5-hydroxy-2-pyrimidinyl)amino]benzoyl]glycyl-3-(3-bromo-5-chloro-2-hydroxyphenyl)-b-alanine,

8)

5

(3R)-N-[3-hydroxy-5-[(1,4,5,6-tetrahydro-5-hydroxy-2-pyrimidinyl)amino]benzoyl]glycyl-3-(3,5-dichlorp-2-hydroxyphenyl)-b-alanine,

10 9)

15

(BR)-N-[3-hydroxy-5-[(1,4,5,6-tetrahydro-5-hydroxy-2-pyrimidinyl)amino]benzoyl]glycyl-3-(5-bromo-3-chloro-2-hydroxyphenyl)-b-alanine,

(3R)-N-[3-hydroxy-5-[(1,4,5,6-tetrahydro-5-hydroxy-2-pyrimidinyl)amino|benzoyl]glycyl-3-(3-bromo-5-chloro-2-hydroxyphenyl)-b-alanine,

11)

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$$F$$
 F
 CO_2H

b-[3-[[[3-[[4,5-dihydro-1H-imidazol-2-yl)amino]phenyl]sulfonyl]amino]phenyl]-3,5-difluorobenzenepropanoic acid,

12)

3,5-difluoro-b-[3-[[[3-[(1,4,5,6-tetrahydro-2-pyrimidinyl)amino]benzoyl]amino]methyl]phenyl] benzenepropanoic acid,

15

14)

5

(2E)-3-[3-ethyl-4-[[3-[/1,4,5,6-tetrahydro-2-pyrimidinyl)amino]benzoyl]amino]phenyl]-2-propenoic acid,

15)

10

(2E)-3-[3-[2-[3-[(4,5]dihydro-1H-imidazol-2-yl)amino]phenyl]-2-oxoethoxy]phenyl]-2-propenoic agid,

16)

15

(10S) - 10,11-dihydro-3-[3-(2-

pyrid nylamino) propoxy]-5H-

diberzo[a,d]cycloheptene-10-acetic acid,

10

15

17)

(2S)-7-[[(1H-benzimidazol-2-

ylmethyl)methylamino]carbonyl]-2,3,4,5tetrahydro-4-methyl-3-oxo-1H-1,4benzodiazepine-2-acetic acid,

18)

(2S)-2,3,4/5-tetrahydro-4-methyl-7-[[[(5-

methyl-1H/imidazo[4,5-b]pyridin-2-

yl]methyl]amino]carbonyl]-3-oxo-1H-1,4-

benzodiazepine-2-acetic acid,

19)

(bk)-b-[[[(3R)-2-oxo-3-[2-(1,5,6,7-tetrahydro-

1/8-naphthyridin-2-yl)ethyl]-1-

pyrrolidinyl]acetyl]amino]-1H-indole-3-

pentanoic acid,

NHSO₂Ph

NHCO₂Ph

20)

21)

5 22)

10

23)

26)

Vitaxin antibody (Ixsys), 24)

MeHN

Merck K@aA EMD-121974, cyclo[RGDf-N(Me)V-], 25)

28)

29) 5

30)

31)

10

-198-Ĭ NHCO₂Ph ,

33)

5 34)

35)

36)

40)

42)

43)

5 86. The method of Claim 50 wherein the integrin antagonist is

(10s)-10,/11-dihydro-3-[3-(2-

pyridinylamino)propoxy]-5H-

dibenz / [a d] cycloheptene-10-acetic acid.

87. The method of Claim 50 wherein the integrin antagonist is

15 /2S)-7-[[(1H-benzimidazol-2-

ylmethyl)methylamino]carbonyl]-2,3,4,5-

tetrahydro-4-methyl-3-oxo-1H-1,4-

benzodiazepine-2-acetic acid.

The method of Claim 50 wherein the integrin antagonist is

(2S)-2,3,4,5-tetrahydro-4-methyl-7-[[[(5methyl-1H-imidazo[4,5-1/2]pyridin-2yl]methyl]amino]carbonyl]-3-oxo-1H-1,4benzodiazepine-2-agetic acid.

The method of Claim 50 wherein the integrin 89. antagonist is

10

5

(bR) - 1/2 - ([(3R) - 2 - oxo - 3 - (2 - (1, 5, 6, 7 - tetrahydro-1,8-haphthyridin-2-yl)ethyl]-1py/rolidinyl]acetyl]amino]-1H-indole-3-

pentanoic acid.

15

The method of Claim 50 wherein the integrin 90. antagonist is

The method of Claim 50 wherein the integrin antagonist is Vitaxin antibody (Ixsys).

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- 92. The method of Claim 50 wherein the integrin antagonist is Merck KGaA EMD-121974, cyclo(RGDf-N(Me)V-].
- 93. The method of Claim 50 wherein the integrin 5 antagonist is

94. The method of Claim 50 wherein the integrin antagonist is

10 95. The method of Claim 50 wherein the integrin antagonist is

96. The method of Claim 50 wherein the integrin antagonist is

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97. The method of Claim 50 wherein the neoplasia is selected from the group consisting of lung cancer,

breast cancer, gastrointestinal cancer, bladder cancer, head and neck cancer and cervical cancer.

The method of Claim 50 wherein the neoplasia is selected from the group consisting of acral lentiginous melanoma, actinic kerátoses, adenocarcinoma, 5 adenoid cycstic carcinoma, adenómas, adenosarcoma, adenosquamous carcinoma, astrocytic tumors, bartholin gland carcinoma, basal cell/carcinoma, bronchial gland carcinomas, capillary, carcinoids, carcinoma, carcinosarcoma, cavernous, cholangiocarcinoma, 10 chondosarcoma, choriod/plexus papilloma/carcinoma, clear cell carcinoma, systadenoma, endodermal sinus tumor, endometrial hyperplasia, endometrial stromal sarcoma, endometrioid adenocarcinoma, ependymal, epitheloid, Ewing's sarcoma fibrolamellar, focal nodular 15 hyperplasia, gastrinoma, germ cell tumors, glioblastoma, glucagonoma,/hemangiblastomas, hemangioendothelioma, hemangiomas/, hepatic adenoma, hepatic adenomatosis, hepatocellular carcinoma, insulinoma, intaepithelial neoplasia, interepithelial squamous cell neoplasia, 20 invasivé squamous cell carcinoma, large cell carcinoma, leiomyósarcoma, lentigo maligna melanomas, malignant melanoma, malignant mesothelial tumors, medulloblastoma, medu'loepithelioma, melanoma, meningeal, mesothelial, 25 metastatic carcinoma, mucoepidermoid carcinoma, neuroblastoma, neuroepithelial adenocarcinoma nodular melanoma, oat cell carcinoma, oligodendroglial, osteosarcoma, pancreatic polypeptide, papillary serous adenocarcinoma, pineal cell, pituitary tumors,

plasmacytoma, pseudosarcoma, pulmonary blastoma, renal cell carcinoma, retinoblastoma, rhabdomyosarcoma,

sarcoma, serous carcinoma, small cell carcinoma, soft tissue carcinomas, somatostatin-secreting tumor, squamous carcinoma, squamous cell carcinoma, submesothelial, superficial spreading melanoma, undifferentiated carcinoma, uveal melanoma, verrucous carcinoma, vipoma, well differentiated carcinoma, and Wilm's tumor.

- 99. A combination comprising an integrin antagonist and one or more anti/neoplastic agents, wherein said antineoplastic agents are selected from the 10 group consisting of anastrozole, calcium carbonate, capecitabine, carboplatin cisplatin, Cell Pathways CP-461, cyclophosphamide, docetaxel, doxorubicin, etoposide, fluorouraci (5-Fu), fluoxymestrine, gemcitabine, goserelin irinotecan, ketoconazole, 15 letrozol, leucovorin, levamisole, megestrol, mitoxantrone, paclitaxel raloxifene, retinoic acid, tamoxifen, thioteba, topotecan, toremifene, vinorelbine, vinblastine, vincristine, selenium (selenomethionine), 20 ursodeoxycholic/acid, sulindac sulfone and eflornithine (DFMO).
- 100. The combination of Claim 99 wherein the integrin antagonist is selected from compounds, and their pharmaceutically acceptable salts thereof, of the group consisting of:

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(3R)-N-[[5-[(1,4,5,6-tetr/ahydro-5-hydroxy-2pyrimidinyl)amino]-

3-pyridinyl]carbonyl]g/lycyl-3-(3-bromo-5chloro-2-hydroxyphenyl)-b-alanine,

2)

-dilpydro-6-oxo-5-[(1,4,5,6-(3R) - N - [

tetrahydroxy-2-pyrimidinyl)amino]-3pyridiny (carbonyl) glycyl-3-(3-bromo-5-chloro-2-hydroxyphenyl)-b-alanine,

3)

 $(\mbel{1} R) - N - [3 - amino - 5 - [(1, 4, 5, 6 - tetrahydro - 5 -]]$

hydroxy-2-pyrimidinyl)amino]benzoyl}glycyl-3-

(3-bromo-5-chloro-2-hydroxyphenyl)-b-alanine,

D9857994 LDCSO1

4)

 $(3R)-N-[3-[(hydroxyamino) \neq arbonyl]-5-$

[(1,4,5,6-tetrahydro-5-hydroxy)-2-

pyrimidinyl)amino]benzoyl]glycyl-3-(3-bromo-5chloro-2-hydroxypheny/)-b-alanine,

5)

5-dihydro-1H-imidazol-2- $(3R) - N - [\beta]$

yl) amino henzoyl]glycyl-3-(3-bromo-5-chloro-2hydroxyphenyl)-b-alanine,

6)

(3R) - N - [3 -

[(aminoiminomethyl)amino]benzoyl]glycyl-3-(3bromo-5-chloro-2-hydroxyphenyl)-b-alanine,

15

7)

(3R)-N-[3-hydroxy-5-[(1,4,5,6-tetrahydro-5-hydroxy-2-pyrimidinyl)amino]benzoyl]glycyl-3-(3-bromo-5-chloro-2-hydroxyphenyl)-b-alanine,

8)

(3R)-N-[3-hydroxy-5-[(1,4,5,6-tetrahydro-5-hydroxy-2-pyrimidinyl)amino]benzoyl]glycyl-3-(3,5-dichloro-2-hydroxyphenyl)-b-alanine,

10

15

5

(3R) -N-[3-hydroxy-5-[(1,4,5,6-tetrahydro-5-hydroxy-2-pyrimidinyl)amino]benzoyl]glycyl-3-(5-bromo-3-chloro-2-hydroxyphenyl)-b-alanine,

10)

(3R)-N-[3-hydroxy-5-[(1,4,5,6-tetrahydro-5-hydroxy-2-pyrimidinyl)amino]benzoyl]glycyl-3-(3-bromo-5-chloro-2-hydroxyphenyl)-b-alanine,

11)

12)

$$F$$
 F
 CO_2H

b-[3-[[[3-[[4/5-dihydro-1H-imidazol-2-yl)amino]phenyl]sulfonyl]amino]phenyl]-3,5-difluorobenzenepropanoic acid,

10

5

3,5/difluoro-b-[3-[[[3-[(1,4,5,6-tetrahydro-2-pyrimidinyl)amino]benzoyl]amino]methyl]phenyl] benzenepropanoic acid,

(2E)-3-[3-ethyl-4-[[3-[(1,4,5,6-tetrahydro-2-pyrimidinyl)amino]benzoyl]amino]phenyl]-2-propenoic acid,

(2E) -3-[3-[2-[3-[(4,5-dihydro-1H-imidazol-2-yl)amino]phenyl]-2-xoethoxy]phenyl]-2-propenoic acid,

(10S)-10,11-dihydro-3-[3-(2-pyridiny/amino)propoxy]-5H-

dibenzo[a,d]cycloheptene-10-acetic acid,

18)

(2S)-7-[[(1H-benzimidazol-2-

√lmethyl)methylamino]carbonyl]-2,3,4,5-

tetrahydro-4-methyl-3-oxo-1H-1,4-

benzodiazepine-2-acetic acid,

(2S)-2,3,4,5-tetrahydro-4-methyl-7-[[[(5-methyl-1H-imidazo[4,5-b]pyrddin-2-yl]methyl]amino]carbonyl]-3-oxo-1H-1,4-benzodiazepine-2-acetic/acid,

19)

(bR)-b-[[(3R)-2-oxo-3-[2-(1,5,6,7-tetrahydro-1,8-naphthyridin-2-yl)ethyl]-1-

10

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pyrrolidinyl]acetyl]amino]-1H-indole-3pentanoic acid,

20)

21)

NHCO₂Ph ,

5

10

H₂N NH OH NHCO₂PH

23)

MeHN N CO₂H

24) Vitaxin antibody(Ixsys)

Merck KGaA EMD-121974 cyclo[RGDf-N(Me)V-],

26)

32)

-214-34) MHSO2Ph 35) ÇF₃ 5 36) 37) 10 38)

42)

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101. The combination of Claim 99 wherein the integrin antagonist is

5 (10S)-10,11-dihydro-3-[3-(2-

pyridinylamino)propoxy]-5H-

dibenzo[a,d]cycloheptene-10-acetic acid.

102. The combination of Claim 99 wherein the integrin antagonist is

(2S)-7-[\[/1H-benzimidazol-2-

ylmethylmethylamino]carbonyl]-2,3,4,5tetrahydro-4-methyl-3-oxo-1H-1,4-

benzodyazepine-2-acetic acid.

103. The combination of Claim 99 wherein the integrin antagonist is

(2S)-2,3,4,5-tetrahydro-4-methyl-7-[[[(5-

methyl-1H-imidazo[4,5-b]pyridin-2-

[y1]methyl]amino]carbonyl]-3-oxo-1H-1,4-

benzodiazepine-2-acetic acid.

104. The combination of Claim 99 wherein the integrin antagonist is

(bR)-b-[[[(3R)-2-oxo-3-[2-(1,5,6,7-tetrahydro-1,8-naphthyridin-2-yl)ethyl]-1pyrrolidinyl]acetyl]amino]-1H-indole-3pentanoic acid.

105. The combination of Claim 99 wherein the integrin antagonist is

MeHN N O CO2H

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106. The combination of Claim 99 wherein the integrin antagonist is Vitaxin antibody(Ixsys).

107. The combination of Claim 99 wherein the integrin antagonist is Merck KGaA EMD-121974, cyclo[RGDf-N(Me)V-].

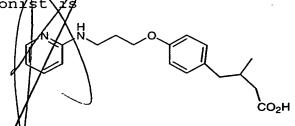
108. The combination of Claim 99 wherein the integrin antagonist is

109. The combination of Claim 99 wherein the integrin antagonist is

110. The combination of Claim 99 wherein the

5 integrin antagonist is

111. The combination of Claim 99 wherein the integrin antagonist is



10 112. The combination of Claim 1 wherein the antineoplastic agent is anastrozole.

113. The combination of Claim 1 wherein the antineoplastic agent is calcium carbonate.

114. The combination of Claim 50 wherein the antineoplastic agent is anastrozole.

115. The combination of Claim 50 wherein the antineoplastic agent is calcium carbonate.

